

CLAIMS

What is claimed is:

- 1 1. A platform comprising:
2 a processor; and
3 a memory coupled to the processor, the memory including an isolated memory
4 area containing a file checker executable by the processor, the file checker including (i) a
5 file analyzer to perform a scan operation on a file to produce a scanning result and (ii) a
6 signature generator to produce a digital signature chain including a digital signature
7 having the scanning result.
- 1 2. The platform of claim 1, wherein the scan operation by the file checker is a
2 virus detection function.
- 1 3. The platform of claim 1 wherein the incoming file is prevented from being
2 executed if the verified digital signature chain indicated an unacceptable file integrity.
- 1 4. The platform of claim 1, wherein the incoming file is accessed if the
2 verified digital signature chain indicates acceptable file integrity.
- 1 5. The platform of claim 1 further comprising a first control unit coupled to
2 both the processor and the memory.
- 1 6. The platform of claim 5 further comprising a second control unit coupled
2 to the first control unit and a token bus interface.
- 1 7. The platform of claim 6 further comprising a non-volatile memory coupled
2 to the second control unit.
- 1 8. The platform of claim 6 further comprising input/output devices coupled
2 to the second control unit.

